

Figure 1a  
Single Stage Fluid Bed  
Reactor  
for any Silicon  
Containing Gas (Silane  
or Trichlorosilane  
and 3 SCG Inlet Coolers  
(two of three shown))



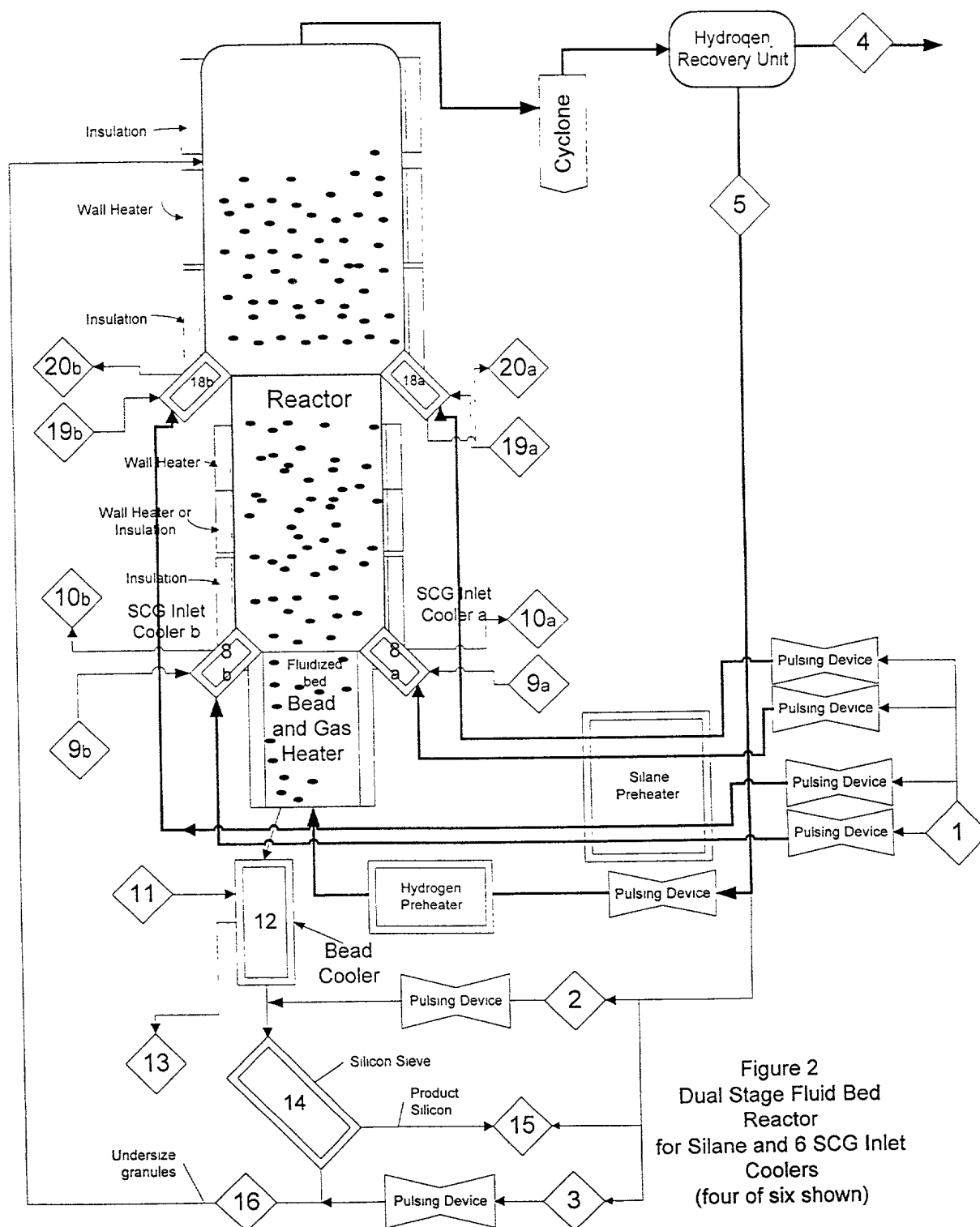


Figure 2  
Dual Stage Fluid Bed  
Reactor  
for Silane and 6 SCG Inlet  
Coolers  
(four of six shown)

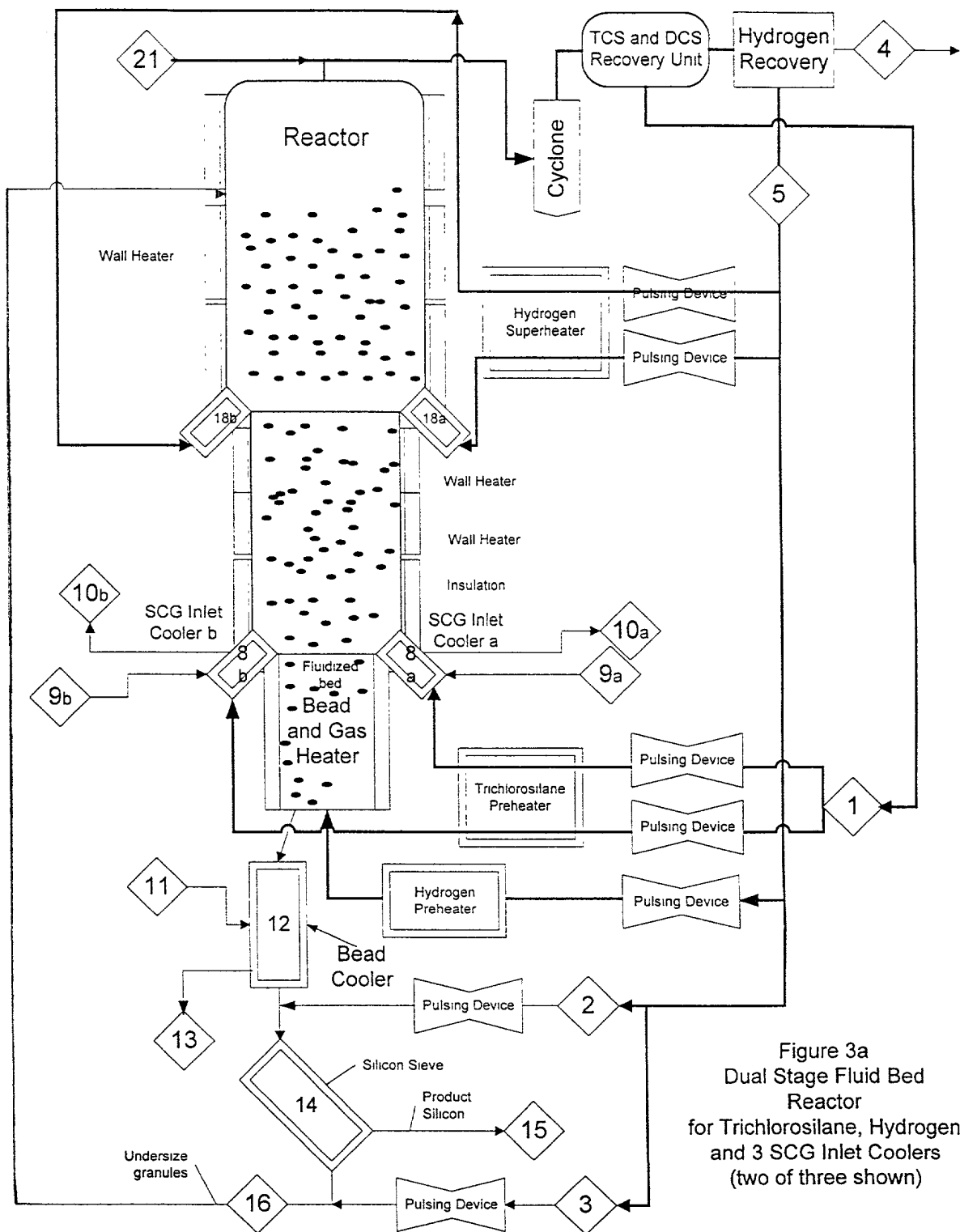


Figure 3a  
Dual Stage Fluid Bed  
Reactor  
for Trichlorosilane, Hydrogen  
and 3 SCG Inlet Coolers  
(two of three shown)

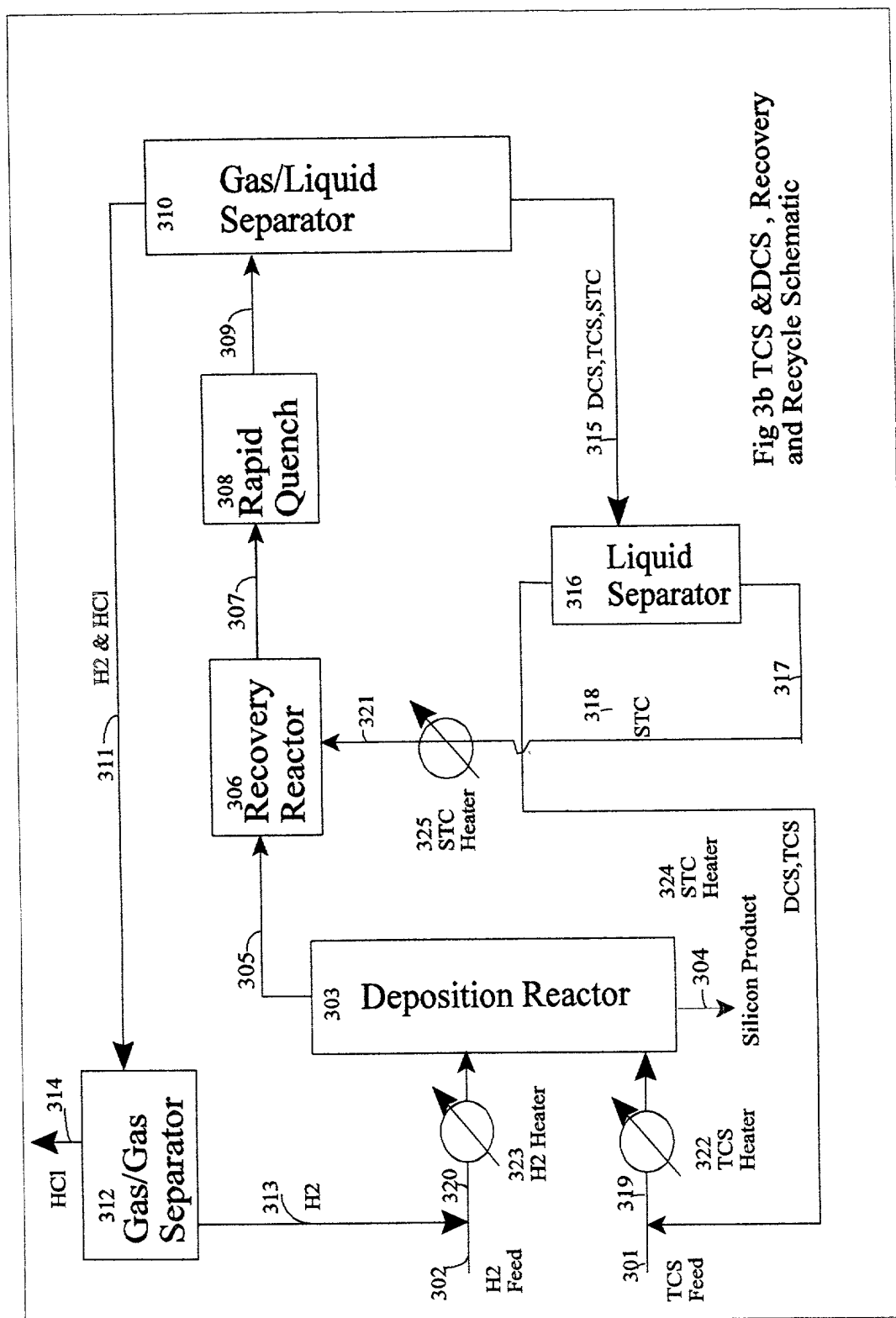


Fig 3b TCS & DCS , Recovery and Recycle Schematic

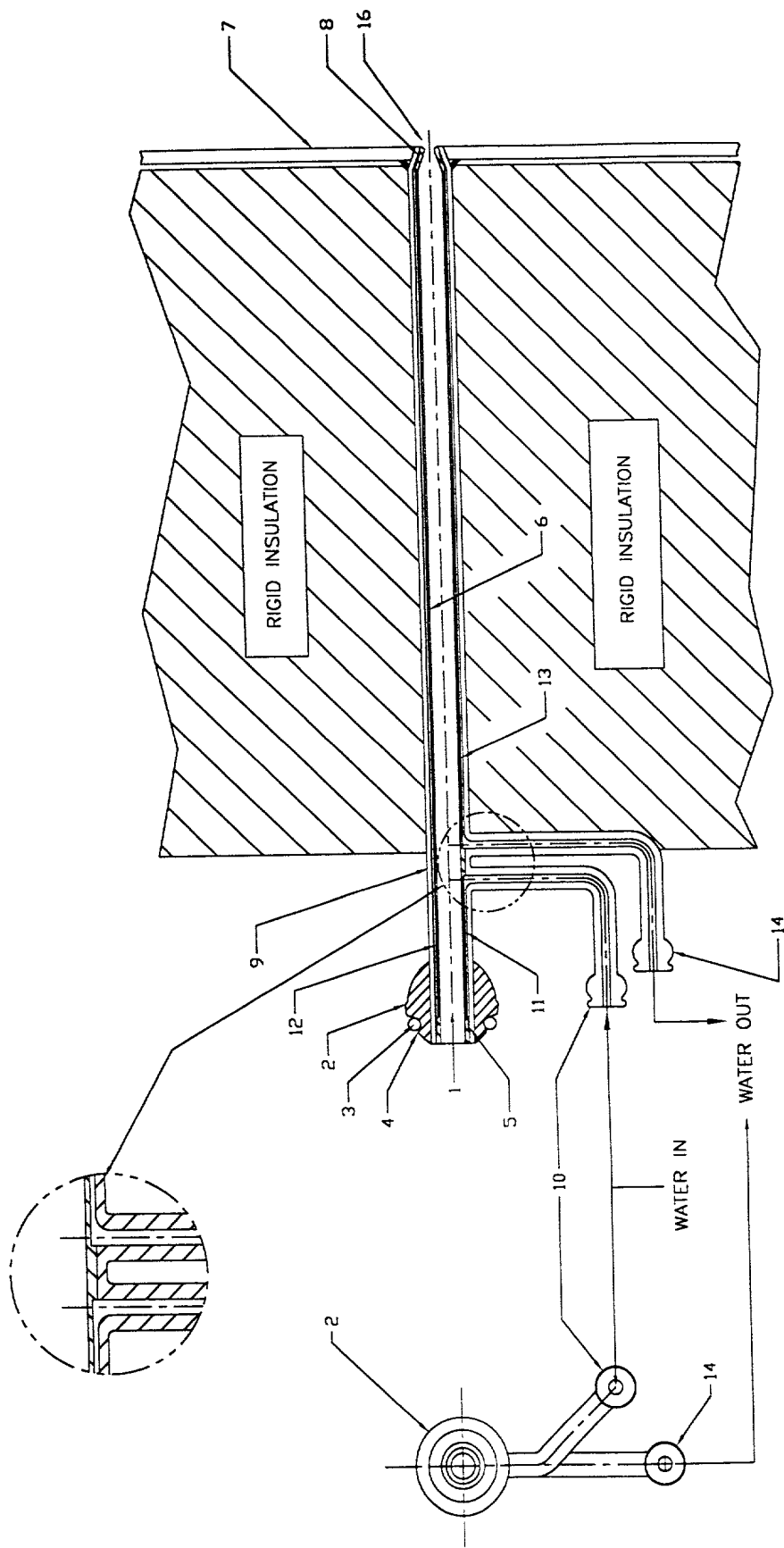


Fig 4a

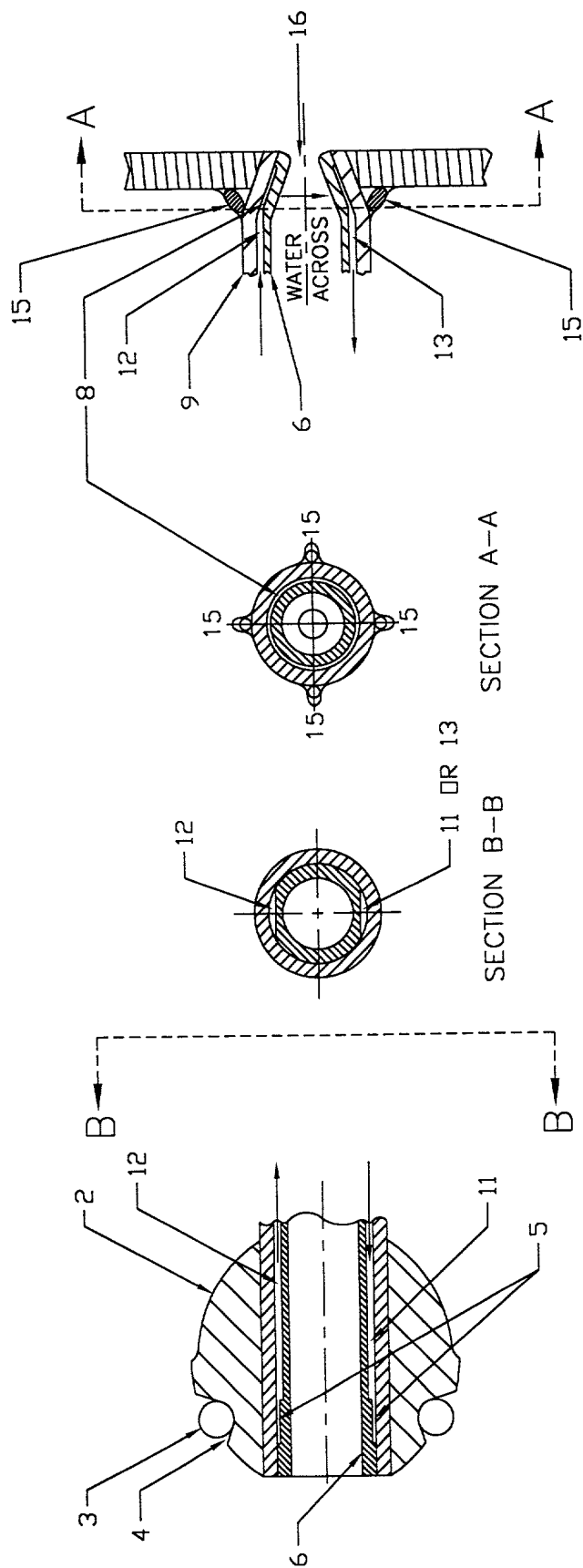
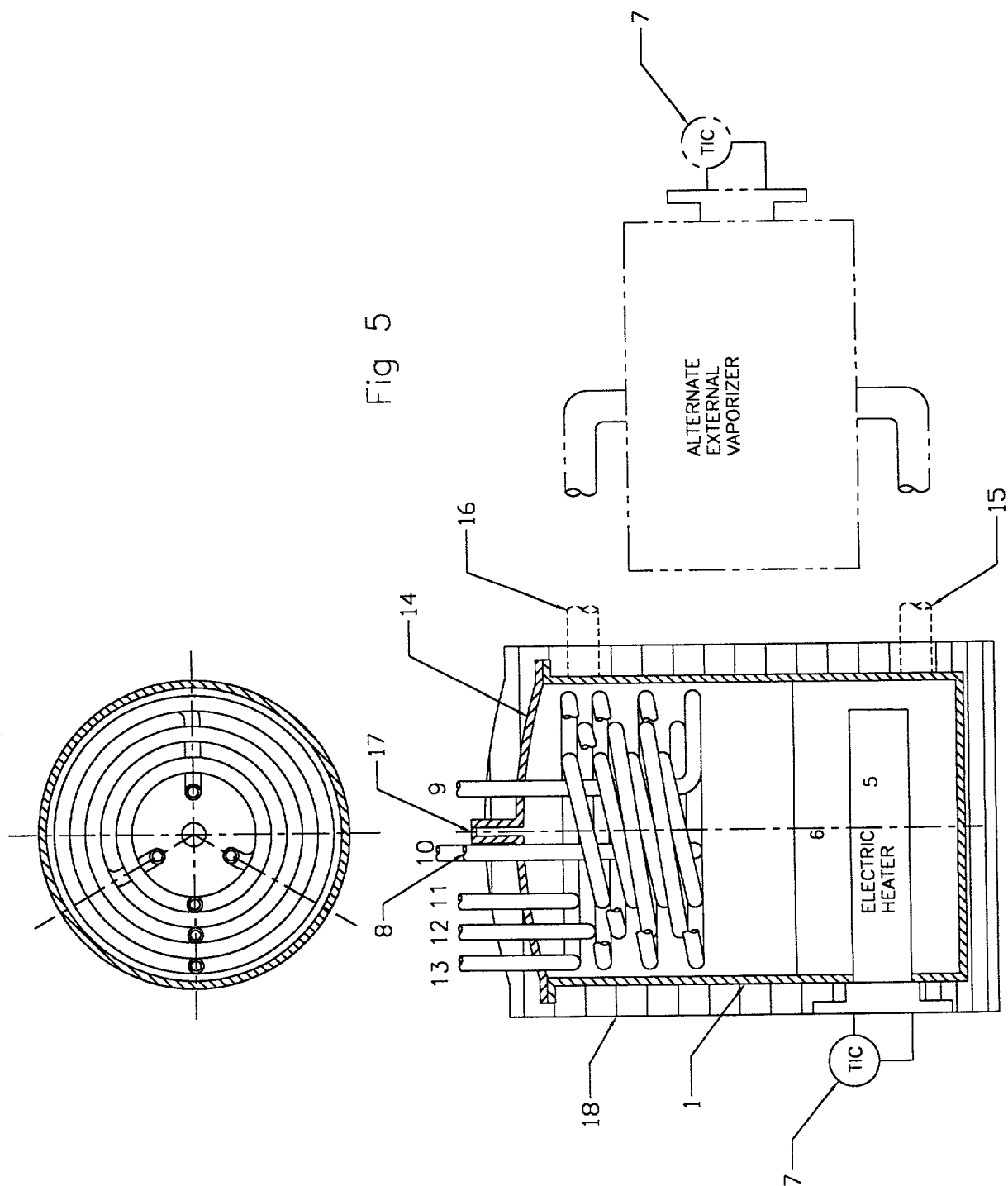


Fig 4b





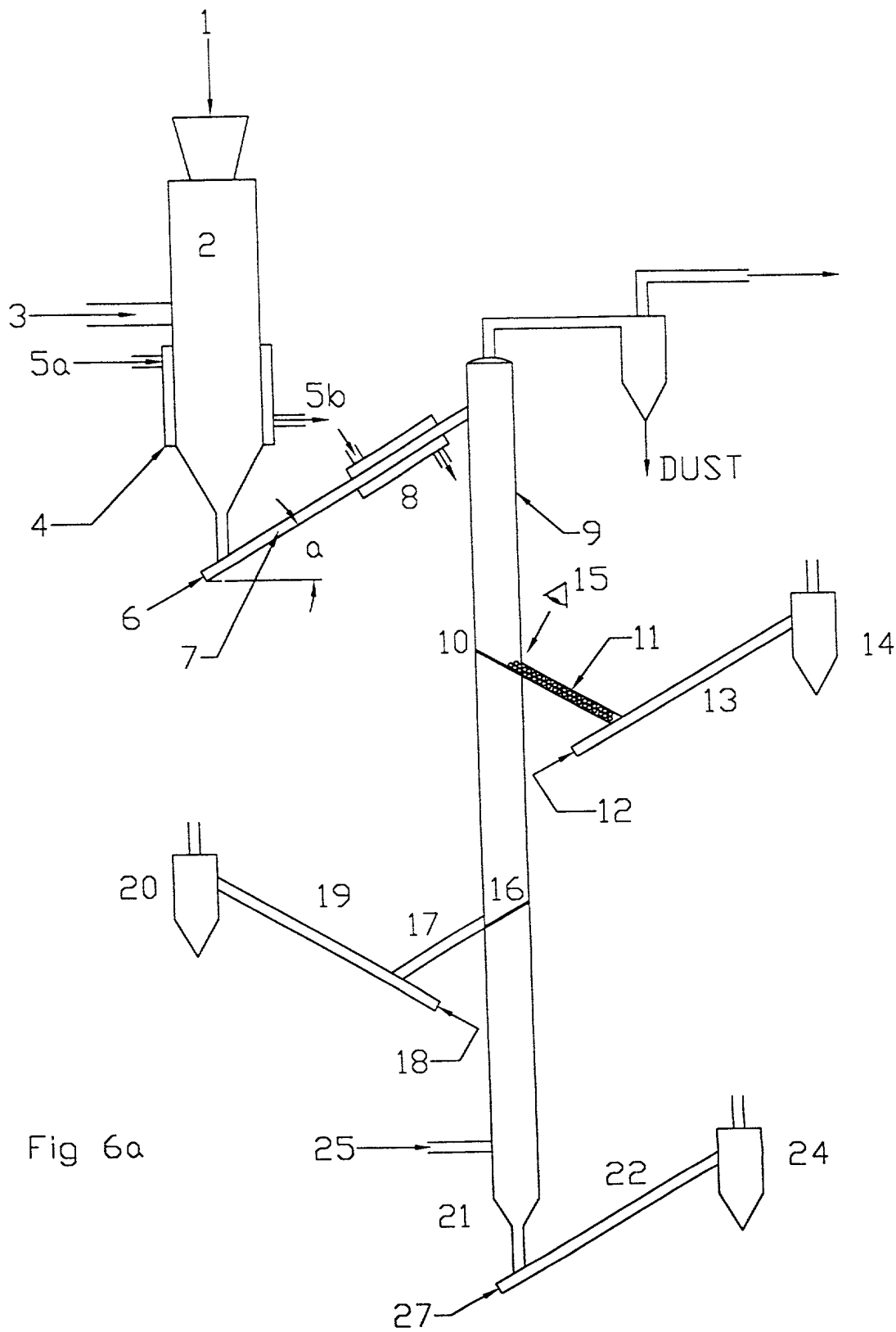


Fig 6a

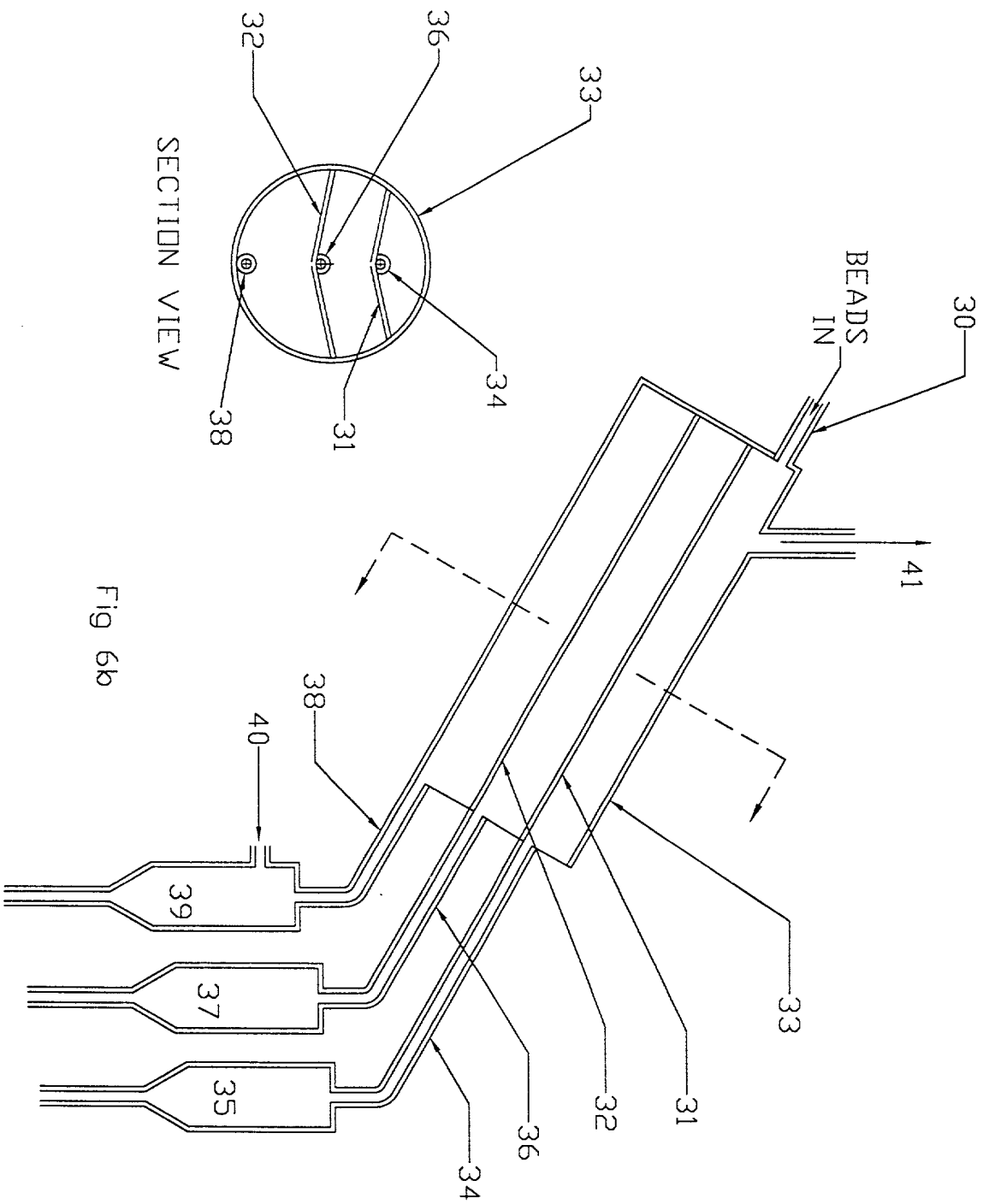


Fig 6b